EOS DIGITAL

Canon

Delighting You Always

SURPASS

inspiration

EOS 700D

INTRODUCING

EOS 700D

Start a fulfilling and lifelong devotion to the craft of photography with the new EOS 700D— the perfect class-leading DSLR with unrivalled basic performance. Ideal for enthusiasts keen on developing their skills and exploring their creative expression, the EOS 700D provides an enjoyable shooting experience with a host of innovative features while ensuring exceptional image quality.

With the DIGIC 5 Image Processor and 18-Megapixel APS-C Size CMOS Sensor, powering impressive functions such as 9-Point All Cross-type AF, 5fps continuous shooting speed, and the Hybrid CMOS AF, the new EOS 700D is one camera that will propel your photography beyond imagination.

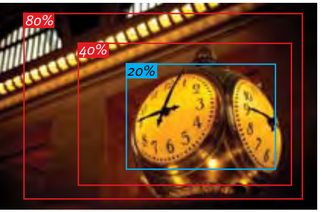
ADVANCING
THROUGH TECHNOLOGY

18-Megapixel APS-C Size CMOS Sensor

Driving the improved shooting performance and superb image quality results in the EOS 700D is its 18-megapixel APS-C size CMOS sensor. Designed with gapless microlens located above each photo diode for more efficient light-gathering, the sensor enables high ISO speeds, minimal noise, and a wide dynamic range while limiting high power consumption.

GAPLESS MICROLENSES

CMOS sensors are known to be highly responsive as the data transfer speeds are bolstered by employing multi-channel signal paths. As each individual pixel on the sensor has its own amplifier, the process of transferring signals from the sensor to the image processor is significantly speeded up. This ensures that the EOS 700D delivers images of stunning resolution, high clarity, and rich colors even at high ISO speeds.



17.91 MEGAPIXELS

Depending on the subject, image results captured by the EOS 700D at a resolution of 18-megapixels is usually ideal for producing very high-quality prints using a photo printer. Even after heavy cropping, 3R-, 5R- or A4-sized prints still display plenty of fine details and bold colours.

14.33 MEGAPIXELS *Cropped 80%*

7.16 MEGAPIXELS *Cropped 40%*

3.58 MEGAPIXELS *Cropped 20%*

DIGIC 5 Image Processor

At the heart of the EOS 700D also lies the superior DIGIC 5 image processor. It speeds up the operation of the camera while enabling a host of advance features on the EOS 700D, such as Special Scene mode (SCN), Multi Shot Noise Reduction, Full HD movie recording, and Face Detection + Tracking AF feature.

Working in tandem with the CMOS sensor to produce a highly responsive shooting performance, the image processor realizes amazing life-like images with fine details and minimal noise at all ISO speeds.

High-Speed Continuous Shooting 5fps

Shoot actively moving subjects such as running children or scampering pets without missing a crucial moment. For a blow-by-blow action reel or to pick out the best image from multiple shots, the EOS 700D effortlessly shoots at a continuous high-speed 5fps.

Maximum bursts during continuous shooting are approximately 30 (22/30 UHS-I) shots in Large/Fine JPEG and 6 shots in RAW format.

Wide ISO Sensitivity Range

Shooting effectively in low-light environments as well as capturing fast-moving subjects, the EOS 700D comes with a standard sensitivity range of ISO 100 to 12800 (expandable to 25600).

SHOOTING WITH LOW ISO SPEED

— NATURAL LANDSCAPES —
When capturing waterfalls or rivers, slow down the shutter speed for a silky smooth flowing effect on the waters. Use a tripod to avoid camera shake.

— PORTRAITS —
For shooting in bright outdoors, open up the aperture to create a lovely background blur effect without overexposing the subject.

— NIGHT LANDSCAPES —
In a more urban setting, use slow shutter speeds for a longer exposure time to capture lights from moving subjects as fantastic streaks of lights.

SHOOTING WITH HIGH ISO SPEED

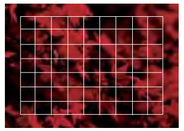
— NIGHT LANDSCAPES —
For a different effect, switch to faster shutter speeds to capture moving subjects like vehicles without blurring and with overall sharpness.

— FLASH-RESTRICTED AREAS —
In museums or zoos and aquariums, fast shutter speeds help avoid camera-shake blurring without losing too much details in shadowy parts.

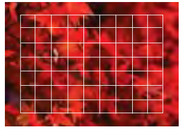
— ACTION —
Especially for indoor activity with poor lighting, shoot at fast shutter speeds to successfully capture moving subjects without blurring.

iFCL 63-Zone Dual Layer Metering System

Designed to complement the EOS 700D's 9-Point All Cross-Type AF Sensor is a 63-Zone Intelligent Focus Color Luminance (iFCL) Dual Layer Metering System. This system offers the standard metering options of evaluative, center-weighted average, partial, and spot metering. To deal with the common issue of underexposure when shooting heavily red colors on a subject, this dual-layer metering system measures light with one layer for red-green light and another layer for blue-green light. Combined data from these two layers are then used to provide the correct light reading.



Without Color Information



With Color Information

9-Point All Cross-Type AF

For unparalleled auto-focusing efficacy, the EOS 70D utilizes a 9-Point All Cross-Type Focusing Sensor with the center AF point performing dual cross-type focusing at f/2.8.

Each auto-focus point on the EOS 70D's AF sensor employs a cross-type sensor which ensures quick and accurate focusing when framing camera for both vertical and horizontal planes.

Live View Shooting

Equipped with the combination of Hybrid CMOS AF, Touch AF capabilities, and the latest STM lens technology, the EOS 70D now performs accurate auto-focusing at faster speeds and with smoother tracking of moving subjects. Through the LCD monitor with touch interface, the photographer is able to set an AF point on a subject and release the shutter once focus is achieved. For Continuous AF, the subject is constantly tracked and focused in-frame until the shutter button is released.

Auto-focusing methods for Live View shooting on the EOS 70D are:

// **Face Detection + Tracking AF**
// **FlexiZone–Multi AF**
// **FlexiZone–Single AF**
// **Quick Mode**

— FACE DETECTION & TRACKING AF —
When shooting moving human subjects, Face Detection & Tracking Priority AF is able to track and focus on a face. If multiple faces are detected, the AF point can be switched to any other face.

— FLEXIZONE–MULTI AF —
Live View FlexiZone–Multi AF makes it easier to focus on any subject, covering a wider area with an automatic selection of up to 31 AF points or touch the LCD monitor for 9 points zone selection.

— FLEXIZONE–SINGLE AF —
A single AF point is used to focus on the subject when using Live View FlexiZone-Single AF, and the AF point can be moved by simply tapping on the LCD monitor.

— QUICK MODE —
An automatic selection of AF points or a manually selected single AF point is used to focus on the subject. As Quick mode uses phase-detection auto focus to aid swift focusing, it is as fast as focusing with the viewfinder.

EXCITING
MOVIE MOMENTS

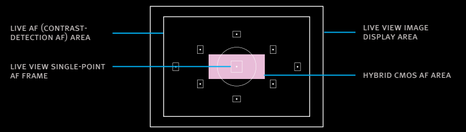
EOS Movie

Imaging prowess in the EOS 70oD is not limited to only still photography but also extends to superb high-quality movie-shooting. The EOS 70oD is fitted with the latest core technology to capably record Full HD Video at 1920 x 1080 resolution with distinctly reduced moiré, even at high ISO speeds.

When recording movies using Movie Servo AF, Hybrid CMOS AF kicks in to lock focus on moving subjects. Even with the distance between the subject and the camera constantly changing as the subject moves, Movie Servo AF continuously tracks it to maintain sharp focus. The Movie Servo AF function is compatible with all Canon EF lenses.

Greatly benefiting from the capabilities of the Hybrid CMOS AF when paired together with an STM lens, the EOS Movie feature has been improved for easier and effective movie-shooting performance. The Stepping Motor (STM) and inner-focusing mechanisms of an STM lens work together to result in silent and extremely smooth auto-focusing when shooting with Movie Servo AF.

Hybrid CMOS AF



The potential of using Live View to capture images or shoot movies is fully realized by Canon's proprietary Hybrid CMOS AF system. The EOS 70oD is equipped with a CMOS sensor that now contains pixels dedicated to phase-detection AF.

Conventional contrast-detection AF achieves focus by repeatedly moving the lens back and forth until a maximum subject contrast is detected on the sensor. While auto-focus accuracy is quite high and sharp, the AF speed is slower. Hybrid CMOS AF achieves fast and accurate focusing since it uses phase-detection AF to predict and focus on the subject's location and fine-tuning the focus with contrast-detection AF.

Stepping Motor (STM) Technology

In response to the challenges of recording movies with improved and quiet auto-focusing, the Stepping Motor (STM) focusing mechanism was developed to complement the movie-shooting capabilities of the EOS DSLR. In essence, a Stepping Motor (STM) is a motor driven in synchronization with electrical pulse power, and rotates at one step per pulse.

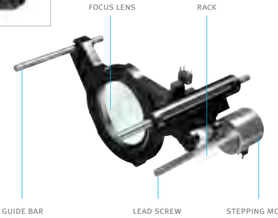
There are two types of STM mechanism designs – lead screw type and gear type. Emphasizing on quick, smooth and quiet auto-focusing, lead screw type STM is used in the EF-S18-55mm f/3.5 – 5/6 IS STM and the EF-S18-135mm f/3.5 – 5.6 IS STM lens. Lead screw type relies on its rotary drive which is a direct mechanism that moves the lens barrel, thus resulting in remarkably silent and smooth auto-focusing.

On the other hand, gear type mechanism is ideal when prioritizing on an ultra-compact and lightweight design for the lens. Gear type STM is found on the EF40mm f/2.8 STM pancake lens, and works on helical gears with angled edges in the gear unit.

Aided by the latest Hybrid CMOS Sensor AF, STM lenses are able to improve on the performance of the existing EOS Movie features, and ensure faster, smoother, and quieter auto-focusing, and better continuous tracking of moving subjects while shooting.

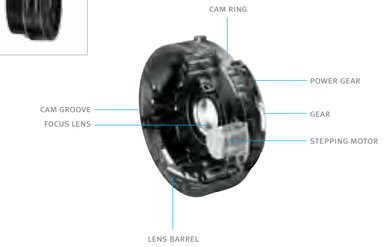
LEAD SCREW TYPE

EF-S18-55mm f/3.5 – 5/6 IS STM



GEAR TYPE

EF40mm f/2.8 STM



Video Snapshot

Capture quirky movie footages with Video Snapshots. This nifty feature lets the camera shoot a series of short video clips of 2, 4 or 8 seconds in length, and combining them together into a single movie file, all done within the camera. This movie file is a Video Snapshot Album which contains short clips of the same shooting duration.

Clips in a Video Snapshot Album can be edited, reshuffled or deleted using Video Snapshot Task. Add to the movie-like vibe by playing back video clips with background music. For a fast-paced and dynamic sequence of video clips, the Video Snapshot feature delivers results with an impression of a professionally edited movie.

Built-In Stereo Microphone

The EOS 70oD records at 16-bit stereo sound with the recording level automatically adjusted or manually set to one of 64 levels. Auditory capabilities also include a wind filter feature, and with the use of an STM lens, help in greatly reducing the recording of operation and lens noise to a barely audible level.

Playback & Editing

Play back movies captured on the EOS 70oD on the camera's LCD monitor itself, or go for large-screen glory on a television set using the HDMI or AV cable connection. A number of playback operations are further possible—Play, Slow Motion with adjustable speed, First Frame, Previous Frame, Next Frame, Last Frame, Edit, Select Background Music, and Volume adjustable to one of 11 levels. Movie-makers can also choose to edit out the first and last scenes of the movie clip in 1-second increments, before saving it over the original file or as a new file.

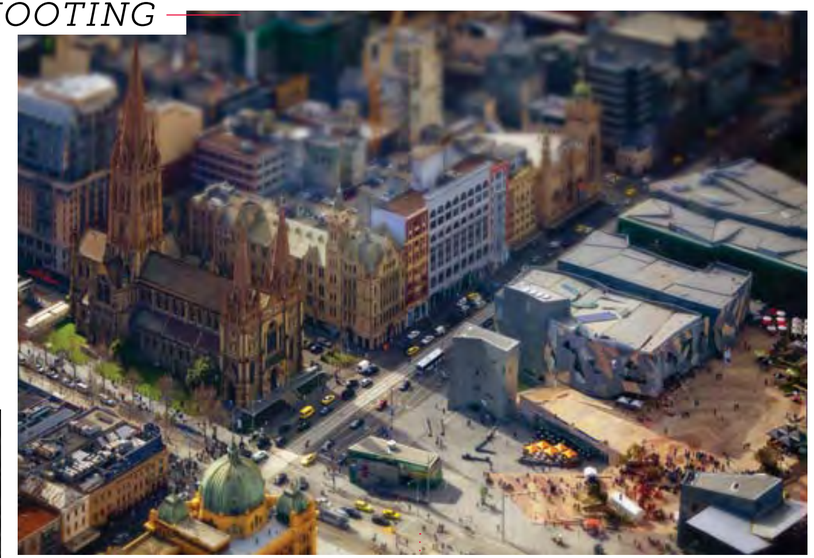
COMPELLING
CREATIVE SHOOTING

Inspiring Creative Filters

Do away with the need for post-processing software and leave it to the Creative Filters to work their imagery magic on captured images. For the first time ever on an EOS DSLR, Creative Filters can now be applied and viewed in real-time during Live View shooting. On the Touch Screen LCD monitor, simply frame and compose the scene, select the desired effect, adjust the settings, and then press the shutter button to capture.

The EOS 70oD comes with seven built-in Creative Filters—

// **Art Bold** // **Water Painting** // **Grainy B/W** // **Soft Focus** // **Toy Camera** // **Fish-eye** // **Miniature effect**



— GRAINY B/W —
Unlike a monochrome effect, this filter delivers heightened and dramatic high-contrast images to replicate the starkness of old grainy films. Used to greatest effect on subjects with strong contrast lighting, and can be set to three levels—Light, Medium, Strong.

— MINIATURE —
For images that look like dioramas or miniature models, use this filter to alter depth-of-field, increase contrast, and boost colors. Perfect when shooting highly detailed cityscapes or landscapes from a high angle.

— WATER PAINTING —
This effect softens and lightens colors on an image to recreate the watercolor effect, and is ideal for images with clearly defined subjects. Color density is adjustable for this filter.

— FISH-EYE —
Imitating the effect of being shot with a fish-eye lens, a barrel-type distortion is applied on the image to exaggerate a close-up of the subject. This filter is adjustable to Low, Standard, and Strong settings.

— ART BOLD —
Emphasizes outlines on an image for stronger impression and greater visual impact, resulting in an oil painting-like image. Suitable for well-defined subjects with rich colors, and in this effect, contrast and saturation is adjustable.

— SOFT FOCUS —
A classic effect for shooting human subjects and portraits as it imparts a soft-toned and dreamy look that is very flattering on skin tones. This effect comes in three adjustable settings—Light, Medium, Strong.

— TOY CAMERA —
A retro vibe is given to the image with a choice of three tint settings of Cold Tone, Standard, and Warm Tone. The attention is drawn to the center of the image with edgy vignette corners.

Shooting with Mode Dial

Conveniently segmented to suit each photographer's level of proficiency, the new Mode Dial now groups modes under the Basic Zone and the Creative Zone. Starting from Basic Zone provides plenty of room for learning and discovery for those who prefer shooting using preset modes but would still want a degree of creative control over the results. Basic Zone modes include Scene Intelligent Auto, Creative Auto, Portrait, Landscape, Close-up, Sports, and Special Scene.

Advancing onto shooting with modes from the Creative Zone, this is more suited for photographers who enjoy greater creative control and customized settings to better express their style. Creative Zone modes include Program AE (P), Shutter-priority AE (Tv), Aperture-priority AE (Av), and Manual exposure.

— SUPERIOR MODE DIAL —

Newly designed for a classier look and feel, the Mode Dial on the EOS 700D now has its mode icons embossed using a metal processing treatment, casting sharply defined edges with a clean-cut appearance. The pattern, or knurling, on the side of the Mode Dial also sports a new diamond-shaped motif for a more tactile surface.

Having conveniently clustered shooting modes into progressive zones for each level of photographer, the Mode Dial can further be rotated a full 360° for speedy and unhindered selection of shooting modes. This is great for effortlessly switching between modes to quickly cover a diverse range of subjects without fiddling about with settings.

Scene Intelligent Auto

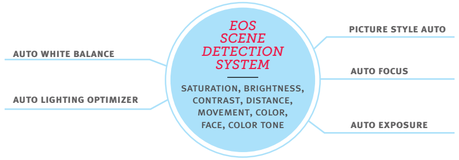
For carefree shooting and to focus on composing, simply switch to Scene Intelligent Auto. Leave it to the EOS 700D to read the scene in detail for faces, movement, color, contrast, and lighting, before selecting the right camera settings for each scene.

— OUTDOORS — **— NATURE —** **— VIVID COLORS —** **— PORTRAIT —**

EOS Scene Detection System

The driving force behind Scene Intelligent Auto is the EOS Scene Detection System. The intuitive and sensitive system automatically analyzes a scene and collects information on subject's face, color, brightness, movement, contrast, and distance. These data are then relayed along to features such as Picture Style Auto, Auto White Balance, Auto Lighting Optimizer, Auto Focus, and Auto Exposure.

For the newest iteration in the EOS 700D, the Auto Exposure function has been greatly improved to automatically fine-tune exposure depending on the scene, when shooting in Scene Intelligent Auto and Live View modes together. Exposure is also fine-tuned when shooting movies using any one of the modes in the Basic Zone on the Mode Dial.



Auto Lighting Optimizer

Based on data collected from the EOS Scene Detection System, the Auto Lighting Optimizer feature is designed to even out brightness and contrast by adjusting certain areas of a captured image. This is especially crucial when using flash or shooting backlit subjects.

Contrast in captured images is analyzed and the Auto Lighting Optimizer performs compensation to minimize loss of detail in high-contrast lighting conditions. Auto Lighting Optimizer can be set manually in the Creative Zone to Disabled, Low, Standard or High.

— WITHOUT AUTO LIGHTING OPTIMIZER — **— WITH AUTO LIGHTING OPTIMIZER —**

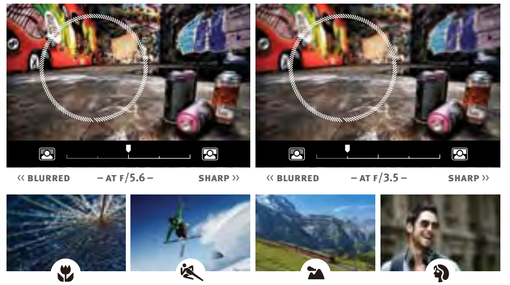
Highlight Tone Priority

The in-camera Highlight Tone Priority feature shifts the dynamic range from the shadowy areas to the highlight end, in order to smoothen the tonal gradation, for a more realistic color rendition of captured subjects. Overexposed areas are corrected, with tones of grey and highlights depicted richly to prevent a washed out effect on images captured in bright conditions.

— WITHOUT HIGHLIGHT TONE PRIORITY — **— WITH HIGHLIGHT TONE PRIORITY —**

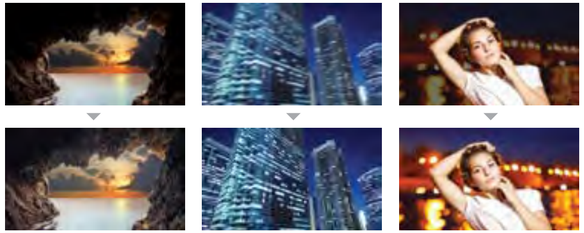
Creative Auto

Progressing on to Creative Auto, photographers are still able to shoot in auto while the camera adjusts accordingly, but now offer additional creative control. When shooting in Creative Auto, it is possible to adjust the following: background blur, ambience based shot, Picture Style, image quality, drive mode, AF method in Live View, Creative Filters, and flash firing.



Special Scene Mode

The EOS 700D's Special Scene modes consist of 3 mode which allow for candid creative shooting while the camera handles the rest of the settings.



— HDR BACKLIGHT CONTROL —

Select HDR Backlight Control mode for impressive results when shooting in backlit subjects. Three shots are quickly captured at decreased, standard, and increased exposures. These exposures are then combined to produce an image with minimal loss of highlight and shadow detail —even in backlit conditions.

— HANDHELD NIGHT SCENE —

Ideal for handheld shooting in low-light or night conditions, the EOS 700D will capture a series of four shots at a fast enough shutter speed to prevent camera shake. The images are then blended and aligned together automatically for an amazing result.

— NIGHT PORTRAIT —

For optimal subject and background exposure, use this mode when shooting faces during night time, without losing detail. The camera automatically uses flash to illuminate the subject evenly, and slows down shutter speed to capture background lights.

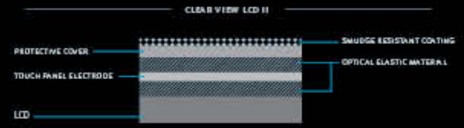
Multi Shot Noise Reduction

Shoot at high ISO speeds with minimal loss of fine details and low noise, with Multi Shot Noise Reduction. Four images are captured in one go, before being superimposed for a final result with effectively lowered noise levels. This function is also adept at reducing handheld-shake blur when shooting in low-light environments.

EFFORTLESS
IN OPERATION

Vari-angle, wide 3.0" Clear View LCD II monitor

Compose your scene in great detail with the Vari-angle, wide 3.0" ClearView LCD II, accentuated by approximately 1.04 million dots in resolution, a wide viewing angle of 170°, and near-faithful color reproduction. The monitor brightness is adjustable to one of seven levels. Reviewing images during playback, verifying focus in Live View or recording Full HD video are all displayed in high contrast, rich colors, and deep blacks.



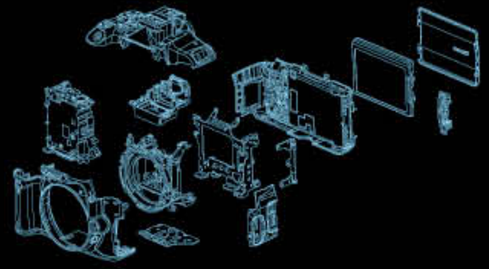
The greatest ease in operating the EOS 700D lies in its vari-angle LCD monitor with touch interface, which offers unprecedented flexibility over camera controls such as viewing images, selecting AF points, touch capture, and pinching to zoom in. A smudge-resistant coating is applied to the monitor to minimize residual fingerprints, and keep the display visibly bright.

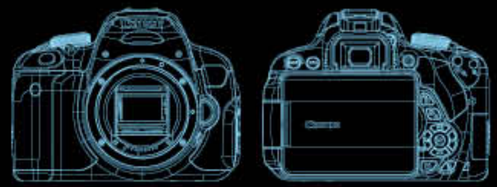
Take on new and fresh perspectives with the vari-angle capabilities of the EOS 700D's LCD monitor! Simply twist and tilt the monitor for any shooting situation, and the display remains crisp and clear so that the composition can be checked. Shooting remains easy to manipulate even when on a tripod, when shooting vertically or when using a battery grip.

Precise Viewfinder Optics

Perfectly framing your scene on the EOS 700D is a precision-crafted glass pentaprism optical viewfinder with a 23.8° angle of view, 0.85x magnification, and 95% coverage with the eye point at approximately 19mm. The standard liquid crystal overlay displays a number of essential shooting information on the viewfinder such as AF points, and information for exposure, flash, or image.

TOUGH
BY DESIGN





Hardy Stainless Steel Housing

Greatly appealing to photographers seeking full basic performance in a lightweight and portable DSLR, the EOS 700D is housed in a sturdy stainless steel and polycarbonate chassis. Retaining a familiar and ergonomically pleasing curved form, the new EOS 700D weighs a light 525g yet still imparts a comforting feel of a top-ranging professional model.

Overall, the EOS 700D expresses a robust and edgy quality in appearance, with a grip moulded for steady and easy handling, and a new textured coating for a touch of luxury.

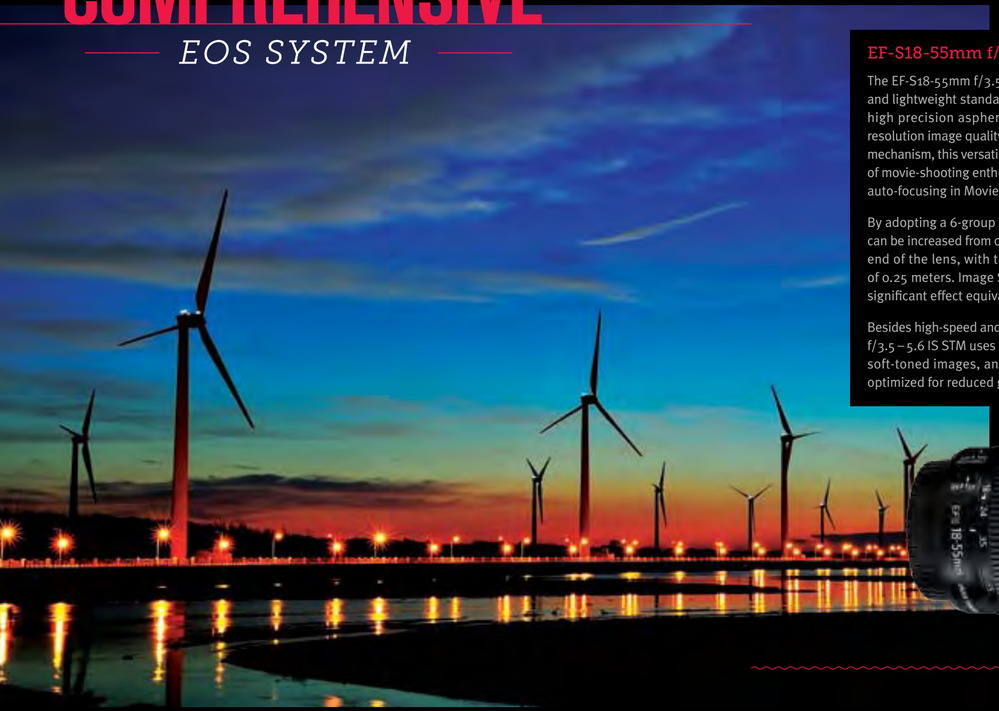
EOS Integrated Cleaning System

Keeping the EOS 700D in tiptop shape for tireless performance under any shooting condition is the industrious EOS Integrated Cleaning System. Taking extensive measures to minimize the effects of dust particles on captured images, the system minimize effects of dust through a mechanical method, as well as through the software method of using Digital Photo Professional (DPP).

Though the camera is considerably sealed for protection against external dirt, any dust matter that does fall onto the low-pass filter is shaken off by high-frequency ultrasonic vibrations. The dust is then absorbed on a lining surrounding the filter unit to prevent it from ever falling back. This cleaning routine is automatically done every time the camera is turned on or off.

It is also possible to perform dust particle removal through the DPP software, by capturing an image of a plain white sheet to create Dust Delete Data. This data is then used as a map of where dust could possibly be located on the camera's sensor and the software will automatically minimize the effects of dust particles on images.

COMPREHENSIVE
EOS SYSTEM



EF-S18-55mm f/3.5 – 5.6 IS STM NEW

The EF-S18-55mm f/3.5 – 5.6 IS STM is an excellent compact and lightweight standard zoom with lens construction of one high precision aspherical lens for high contrast and high resolution image quality. Equipped with the new STM focusing mechanism, this versatile kit lens is designed to meet the needs of movie-shooting enthusiasts for super smooth and very quiet auto-focusing in Movie Servo AF.

By adopting a 6-group zoom system, maximum magnification can be increased from 0.34x normally to 0.36x at the telephoto end of the lens, with the same minimum focusing distance of 0.25 meters. Image Stabilizer on the lens further gives it a significant effect equivalent of up to four stops faster.

Besides high-speed and silent auto-focusing, the EF-S18-55mm f/3.5 – 5.6 IS STM uses a 7-blade circular aperture for exquisite soft-toned images, and lens disposition and coatings are optimized for reduced ghosting and flare.

EF-S18-135mm f/3.5 – 5.6 IS STM

One of the very first lenses to feature the latest STM technology, the EF-S18-135mm f/3.5 – 5.6 IS STM is a high-performance standard telephoto lens that features constant high resolution through its focal range by using one UD lens element and one PMO aspherical lens element.

A stepping motor (STM) focusing mechanism and new 6-group zoom system allows for very smooth, speedy and near-silent focusing, especially while shooting with Movie Servo AF. The Image Stabilizer (IS) feature achieves the equivalent of shutter speed up to four stops faster, and has an expanded chromatic aberration correction range. The Dynamic IS provides correction for large angular shake caused by walking during movie shooting.

The EF-S18-135mm f/3.5 – 5.6 IS STM has a minimum focusing distance of 0.39 meters throughout its zoom range and a maximum magnification of 0.28. Built for stellar performance, this all-purpose and compact lens is suited for covering a variety of subjects.

Speedlite 320EX

The Speedlite 320EX introduces the LED light function to the Speedlite range, which is set in the front of the flashgun and can be used as a video light for shooting portraits or movies. This light source works as a modelling light or AF assist beam during Live View shooting.

When used with compatible Speedlite transmitters (the EOS 700D has a built-in Speedlite transmitter), the Speedlite 320EX functions as a wireless slave unit positioned off-camera. Ideally lightweight, portable, and with an easy-to-handle design, the Speedlite 320EX is powered by 4 AA batteries (not included) and can be recharged in approximately 2 seconds.

SPEEDLITE 320EX

SPEEDLITE 270EX II

Speedlite 270EX II

Improved on the previous model, the Speedlite 270EX II is a super-lightweight, ultra-compact, and high-performance flash unit made for photographers new to flash photography. Used together with selected EOS cameras, the Speedlite 270 EX II functions as a wireless slave unit that can form a part of a wireless multiple flash setup. Versatile under a variety of shooting conditions, the flashgun has a guide number of 27, and comes with Tele/Wide function for easy adjustment of illumination angle and guide number to suit conditions.

Battery Grip BG-E8

Ergonomically designed for comfortable handling during long shooting hours, the Battery Grip BG-E8 is also made for high-volume shooting with its 2 Battery Packs LP-E8, or is able to take in 6 AA batteries.

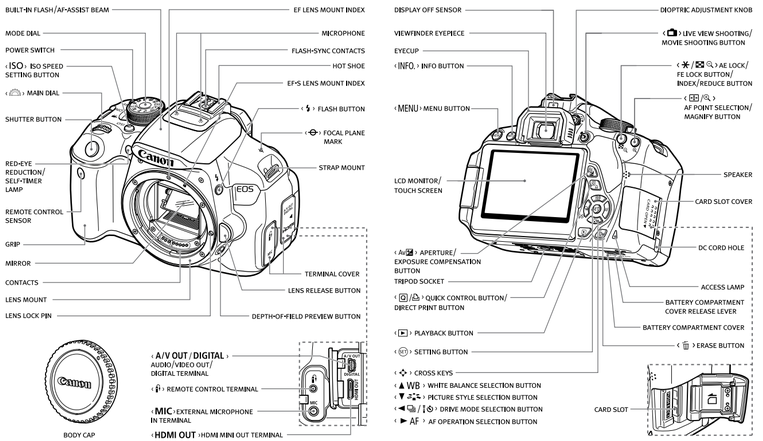
GPS Receiver GP-E2

For the photographer constantly on the move, this lightweight travel companion is able to provide location data and time functions, to help track and manage captured images. Besides tagging GPS information to images and logging positional data, the GPS Receiver GP-E2 also functions as an electronic compass. Built to withstand the rigours of travel, the GP-E2 is dust- and drip-proof, and directly connects to the EOS 700D for ease of use.

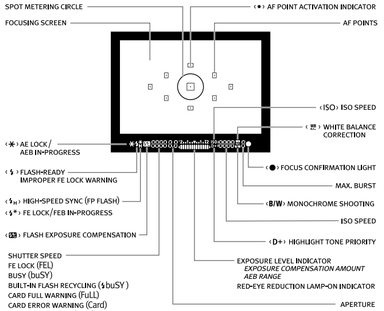
SPECIFICATIONS

EOS 700D

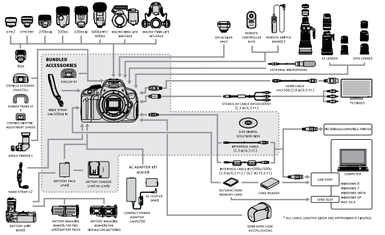
Nomenclature Of EOS 700D


BUILT-IN FLASH/AF-ASSIST BEAM
MODE DIAL
POWER SWITCH
‹ISO› ISO SPEED SETTING BUTTON
‹ ▵ › MAIN DIAL
SHUTTER BUTTON
RED-EYE REDUCTION/ SELF-TIMER LAMP
REMOTE CONTROL SENSOR
GRIP
MIRROR
CONTACTS
LENS MOUNT
LENS LOCK PIN
EF LENS MOUNT INDEX
MICROPHONE
FLASH-SYNC CONTACTS
HOT SHOE
EF-S LENS MOUNT INDEX
‹ ⚡ › FLASH BUTTON
‹ ⊙ › FOCAL PLANE MARK
STRAP MOUNT
TERMINAL COVER
LENS RELEASE BUTTON
DEPTH-OF-FIELD PREVIEW BUTTON
BODY CAP
‹ A/V OUT / DIGITAL › AUDIO/VIDEO OUT/ DIGITAL TERMINAL
‹ ⍰ › REMOTE CONTROL TERMINAL
‹ MIC › EXTERNAL MICROPHONE IN TERMINAL
‹ HDMI OUT › HDMI MINI OUT TERMINAL
DISPLAY OFF SENSOR
VIEWFINDER EYEPIECE
EYECUP
‹ INFO. › INFO BUTTON
‹ MENU › MENU BUTTON
LCD MONITOR/ TOUCH SCREEN
‹ AV ☼ › APERTURE/ EXPOSURE COMPENSATION BUTTON
TRIPOD SOCKET
‹ ⍰ / ⍰ › QUICK CONTROL BUTTON/ DIRECT PRINT BUTTON
‹ ▶ › PLAYBACK BUTTON
‹ ⍰ › SETTING BUTTON
‹ ✣ › CROSS KEYS
‹ ▲ WB › WHITE BALANCE SELECTION BUTTON
‹ ▼ ✿ › PICTURE STYLE SELECTION BUTTON
‹ ◀ ⧉ / ⍰ › DRIVE MODE SELECTION BUTTON
‹ ▶ AF › AF OPERATION SELECTION BUTTON
DIOPTRIC ADJUSTMENT KNOB
‹ 📷 › LIVE VIEW SHOOTING/ MOVIE SHOOTING BUTTON
‹ ☀/⍰ › AE LOCK/ FE LOCK BUTTON/ INDEX/REDUCE BUTTON
‹ ⍰/🔍 › AF POINT SELECTION/ MAGNIFY BUTTON
SPEAKER
CARD SLOT COVER
DC CORD HOLE
ACCESS LAMP
BATTERY COMPARTMENT COVER RELEASE LEVER
BATTERY COMPARTMENT COVER
‹ 🗑 › ERASE BUTTON
CARD SLOT

Viewfinder Information


SPOT METERING CIRCLE
FOCUSING SCREEN
‹ • › AF POINT ACTIVATION INDICATOR
AF POINTS
‹ISO› ISO SPEED
‹ ⚖ › WHITE BALANCE CORRECTION
‹ ☀ › AE LOCK / AEB IN-PROGRESS
‹ ⚡ › FLASH-READY IMPROPER FE LOCK WARNING
‹ ⚡H › HIGH-SPEED SYNC (FP FLASH)
‹ ⚡* › FE LOCK/FEB IN-PROGRESS
‹ 📷 › FLASH EXPOSURE COMPENSATION
SHUTTER SPEED
FE LOCK (FEL)
BUSY (buSY)
BUILT-IN FLASH RECYCLING (buSY)
CARD FULL WARNING (FuLL)
CARD ERROR WARNING (Card)
NO CARD WARNING (Card)
‹ ● › FOCUS CONFIRMATION LIGHT
MAX. BURST
‹B/W› MONOCHROME SHOOTING
ISO SPEED
‹ D+ › HIGHLIGHT TONE PRIORITY
EXPOSURE LEVEL INDICATOR
EXPOSURE COMPENSATION AMOUNT
AEB RANGE
RED-EYE REDUCTION LAMP-ON INDICATOR
APERTURE

System Chart



Specifications

» TYPE «

Type:	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording media:	SD memory card, SDHC memory card, SDXC memory card *Compatible with UHS-I
Image sensor size:	Approx. 22.3 x 14.9 mm
Compatible lenses:	Canon EF lenses (including EF-S lenses) *Excluding EF-M lenses (35 mm-equivalent focal length is approx. 1.6 times the lens focal length)
Lens mount:	Canon EF mount

» IMAGE SENSOR «

Type:	CMOS sensor
Effective pixels:	Approx. 18.00 megapixels
Aspect ratio:	3:2
Dust delete feature:	Auto, Manual, Dust Delete Data appending

» RECORDING SYSTEM «

Recording format:	Design rule for Camera File System (DCF) 2.0
Image type:	JPEG, RAW (14-bit Canon original) RAW+JPEG Large simultaneous recording possible
Recorded pixels:	L (Large) : Approx. 17.90 megapixels (5184 x 3456) M (Medium) : Approx. 8.00 megapixels (3456 x 2304) S1 (Small 1) : Approx. 4.50 megapixels (2592 x 1728) S2 (Small 2) : Approx. 2.50 megapixels (1920 x 1280) S3 (Small 3) : Approx. 350,000 pixels (720 x 480) RAW : Approx. 17.90 megapixels (5184 x 3456)

» IMAGE PROCESSING DURING SHOOTING «

Picture Style:	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1 - 3
Basic+:	Ambience-based shots, Light/scene-based shots
White balance:	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom White balance correction and white balance bracketing features provided. *Flash color temperature information transmission enabled
Noise reduction:	Applicable to long exposures and high ISO speed shots
Automatic image brightness correction:	Auto Lighting Optimizer
Highlight tone priority:	Provided
Lens aberration correction:	Peripheral illumination correction, Chromatic aberration correction

» VIEWFINDER «

Type:	Eye-level pentamirror
Coverage:	Vertical/Horizontal approx. 95% (with Eye point approx. 19 mm)
Magnification:	Approx. 0.85x (-1 m $^{-1}$ with 50mm lens at infinity)
Eye point:	Approx. 19 mm (from eyepiece lens center at -1 m $^{-1}$)
Built-in dioptric adjustment:	Approx. -3.0 - +1.0 m $^{-1}$(dpt)
Focusing screen:	Fixed, Precision Matte
Mirror:	Quick-return type
Depth-of-field preview:	Provided

» AUTOFOCUS «

Type:	TTL secondary image-registration, phase detection
AF points:	Nine cross-type AF points (Cross-type AF sensitive to f/2.8 with center AF point)
Focusing brightness range:	EV -0.5 - 18 (center AF point, at 23°C/73°F, ISO 100)
AF operation:	One-Shot AF, AI Servo AF, AI Focus AF
AF-assist beam:	Small series of flashes fired by built-in flash

» EXPOSURE CONTROL «

Metering modes:	63-zone TTL full-aperture metering • Evaluative metering (linked to all AF points) • Partial metering (approx. 9% of viewfinder at center) • Spot metering (approx. 4% of viewfinder at center) • Center-weighted average metering
Metering brightness range:	EV 1 – 20 (at 23°C/73°F with EF50mm f/1.8 II lens, ISO 100)
Exposure control:	Program AE (Scene Intelligent Auto, Flash Off, Creative Auto, Portrait, Landscape, Close-up, Sports, Special scene [Night Portrait, Handheld Night Scene, HDR Backlight Control], Program), Shutter-priority AE, Aperture-priority AE, Manual exposure
ISO speed: (Recommended exposure index)	Basic Zone modes*: ISO 100 – ISO 6400 set automatically *Portrait: ISO 100, Handheld Night Scene: ISO 100 – ISO 12800 set automatically Creative Zone modes: ISO 100 – ISO 12800 set manually (whole-stop
increments)	ISO 100 – ISO 6400 set automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 25600)
Exposure compensation:	Manual: ±5 stops in 1/3- or 1/2-stop increments AEB: ±2 stops in 1/3- or 1/2-stop increments (Can be combined with manual exposure compensation)
AE lock:	Auto: Applied in One-Shot AF with evaluative metering when focus is achieved Manual: With AE lock button

» SHUTTER «

Type:	Electronically-controlled, focal-plane shutter
Shutter speeds:	1/4000 sec. to 30 sec. (Total shutter speed range. Available range varies by shooting mode.), Bulb, X-sync at 1/200 sec.

» FLASH «

Built-in flash:	Retractable, auto pop-up flash Guide No.: Approx. 13/43 (ISO 100, in meters/feet)
	Flash coverage: Approx. 17mm lens angle of view
	Recycling time approx. 3 sec.
	Wireless master function provided
External flash:	EX-series Speedlite (Flash functions settable with the camera)
Flash metering:	E-TTL II autoflash
Flash exposure compensation:	±2 stops in 1/3- or 1/2-stop increments
FE lock:	Provided
PC terminal:	None

» DRIVE SYSTEM «

Drive mode:	Single shooting, continuous shooting, self-timer with 10-sec. or 2-sec. delay and 10-sec. delay with continuous shooting
Continuous shooting speed:	Max. approx. 5 shots/sec.
Max. burst (Approx.):	JPEG Large/Fine: 22 (30) shots RAW: 6 (6) shots RAW+JPEG Large/Fine: 3 (3) shots *Figures in parentheses apply to an UHS-I compatible 8 GB card based on Canon's testing standards. *Figures are based on Canon's testing standards (ISO 100 and "Standard" Picture Style) using an 8 GB card.

» LIVE VIEW SHOOTING «

Aspect ratio settings:	3:2, 4:3, 16:9, 1:1
Focusing:	Hybrid CMOS AF System* (Face+Tracking, FlexiZone-Multi, FlexiZone-Single), Phase-difference detection (Quick mode) Manual focusing (approx. 5x / 10x magnification possible) *Focusing brightness range: EV 1 – 18 (at 23°C/73°F, ISO 100)
Continuous AF:	Provided
Touch shutter:	Provided
Metering modes:	Real-time metering with image sensor Evaluative metering (315 zones), Partial metering (approx. 8.8% of Live View screen), Spot metering (approx. 2.8% of Live View screen), Center-weighted average metering
Metering brightness range:	EV 0 – 20 (at 23°C/73°F with EF50mm f/1.4 USM lens, ISO 100)
Creative filters:	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Grid display:	Two types

» MOVIE SHOOTING «

Recording format:	MOV
Movie:	MPEG-4 AVC / H.264
Audio:	Variable (average) bit rate Linear PCM
Recording size and frame rate:	1920 x 1080 (Full HD) : 30p/25p/24p 1280 x 720 (HD) : 60p/50p 640 x 480 (SD) : 30p/25p
File size:	*30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00 fps 1920 x 1080 (30p/25p/24p) : Approx. 330 MB/min. 1280 x 720 (60p/50p) : Approx. 330 MB/min. 640 x 480 (30p/25p) : Approx. 82.5 MB/min.
Focusing:	Hybrid CMOS AF System* (Face+Tracking, FlexiZone-Multi, FlexiZone-Single) Manual focusing (approx. 5x / 10x magnification possible) *Focusing brightness range: EV 1 - 18 (at 23°C/73°F, ISO 100) Center-weighted average and evaluative metering with the image sensor *Automatically set by the focusing mode
Metering modes:	Provided EV 0 – 20 (at 23°C/73°F with EF50mm f/1.4 USM lens, ISO 100)
Servo AF:	Program AE for movies and manual exposure
Metering brightness range:	±3 stops in 1/3-stop increments (Still photos: ±5 stops)
Exposure control:	With auto exposure shooting: ISO 100 – ISO 6400 set automatically
Exposure compensation:	With manual exposure: ISO 100 – ISO 6400 set automatically/ manually, expandable to H (equivalent to ISO 12800)
ISO speed: (Recommended exposure index)	Settable to 2 sec./4 sec./8 sec.
Video snapshots:	Built-in stereo microphone
Sound recording:	External stereo microphone terminal provided Sound recording level adjustable, wind filter provided, attenuator provided
Grid display:	Two types

» LCD MONITOR «

Type:	TFT color liquid-crystal monitor
Monitor size and dots:	Wide, 7.7 cm (3.0-in.) (3:2) with approx. 1.04 million dots
Angle adjustment:	Possible
Brightness adjustment:	Manual (7 levels)
Interface languages:	25
Touch screen technology:	Capacitive sensing
Feature guide:	Displayable

» PLAYBACK «

Image display formats:	Single-image display, Single-image + Info display (Basic info, shooting info, histogram), 4-image index, 9-image index
Zoom magnification:	Approx. 1.5x – 10x
Highlight alert:	Overexposed highlights blink
Image browsing methods:	Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating

Image rotate:	Possible
Ratings:	Provided
Movie playback:	Enabled (LCD monitor, video/audio OUT, HDMI OUT). Built-in speaker
Image protect:	Possible
Slide show:	All images, by date, by folder, by movies, by stills, by rating Five transition effects selectable Selectable for slide shows and movie playback
Background music:	

» POST-PROCESSING OF IMAGES «

Creative filters:	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect
Resize:	Possible

» DIRECT PRINTING «

Compatible printers:	PictBridge-compatible printers
Printable images:	JPEG and RAW images
Print ordering:	DPOF Version 1.1 compatible

» CUSTOM FUNCTIONS «

Custom Functions:	8
My Menu registration:	Possible
Copyright information:	Entry and inclusion possible

» INTERFACE «

Audio/video OUT/ Digital terminal:	Analog video (compatible with NTSC/PAL)/stereo audio output Personal computer communication and direct printing (Hi-Speed USB equivalent), GPS Receiver GP-E2 connection
HDMI mini OUT terminal:	Type C (auto switching of resolution), CEC-compatible
External microphone IN terminal:	3.5 mm diameter stereo mini-jack
Remote control terminal:	For Remote Switch RS-60E3
Wireless remote control:	Remote Controller RC-6
Eye-Fi card:	Compatible

» POWER «

Battery:	Battery Pack LP-E8 (Quantity 1) *AC power can be supplied via AC Adapter Kit ACK-E8 *With Battery Grip BG-E8 attached, size-AA/LR6 batteries can be used
Possible shots: (Based on CIPA testing standards)	With viewfinder shooting: Approx. 440 shots at 23°C/73°F, approx. 400 shots at 0°C/32°F With Live View shooting: Approx. 180 shots at 23°C/73°F, approx. 150 shots at 0°C/32°F
Movie shooting time:	Approx. 1 hr. 40 min. at 23°C/73°F Approx. 1 hr. 20 min. at 0°C/32°F (with a fully-charged Battery Pack LP-E8)

» DIMENSIONS AND WEIGHT «

Dimensions (W x H x D):	Approx. 133.1 x 99.8 x 78.8 mm / 5.2 x 3.9 x 3.1 in.
Weight:	Approx. 580 g / 20.5 oz. (CIPA Guidelines), Approx. 525 g / 18.5 oz. (Body only)

» OPERATION ENVIRONMENT «

Working temperature range:	0°C – 40°C / 32°F – 104°F
Working humidity:	85% or less

» BATTERY PACK LP-E8 «

Type:	Rechargeable lithium-ion battery
Rated voltage:	7.2 V DC
Battery capacity:	1120 mAh
Working temperature range:	During charging: 6°C – 40°C / 43°F – 104°F During shooting: 0°C – 40°C / 32°F – 104°F
Working humidity:	85% or less
Dimensions (W x H x D):	Approx. 32.1 x 15.4 x 55.2 mm / 1.5 x 0.6 x 2.2 in.
Weight:	Approx. 52 g / 1.8 oz.

» BATTERY CHARGER LC-E8 «

Compatible battery:	Battery Pack LP-E8
Recharging time:	Approx. 2 hours (at 23°C/73°F)
Rated input:	100 – 240 V AC (50/60 Hz)
Rated output:	8.4 V DC / 720 mA
Working temperature range:	6°C – 40°C / 43°F – 104°F
Working humidity:	85% or less
Dimensions (W x H x D):	Approx. 69 x 28 x 87.5 mm / 2.7 x 1.1 x 3.4 in.
Weight:	Approx. 82 g / 2.9 oz.

» BATTERY CHARGER LC-E8E «

Compatible battery:	Battery Pack LP-E8
Recharging time:	Approx. 2 hours (at 23°C/73°F)
Rated input:	100 – 240 V AC (50/60 Hz)
Rated output:	8.4 V DC / 720 mA
Working temperature range:	6°C – 40°C / 43°F – 104°F
Working humidity:	85% or less
Dimensions (W x H x D):	Approx. 69 x 28 x 87.5 mm / 2.7 x 1.1 x 3.4 in.
Weight:	Approx. 82 g / 2.9 oz. (excluding power cord)

EOS 700D

Canon

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